



**MAIL STOP PCT** *ITW*

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Manabu YOSHINO, et al.

SERIAL NO: 10/562,431

GAU:

FILED: December 28, 2005

EXAMINER:

FOR: OPTICAL COMMUNICATION SYSTEM USING OPTICAL FREQUENCY CODE, OPTICAL TRANSMISSION DEVICE AND OPTICAL RECEPTION DEVICE THEREOF, AND REFLECTION TYPE OPTICAL COMMUNICATION DEVICE

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Richard D. Kelly

Registration No. 27,757

Customer Number

**22850**

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 05/03)

Surinder Sachar

Registration No. 34,423



Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTORNEY DOCKET NO. 283713US40PCT		SERIAL NO. 10/562,431	
LIST OF REFERENCES CITED BY APPLICANT					APPLICANT Manabu YOSHINO, et al.		GROUP 2613	
					FILING DATE December 28, 2005			
<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
		AA						
		AB						
		AC						
		AD						
		AE						
		AF						
		AG						
		AH						
		AI						
		AJ						
		AK						
		AL						
		AM						
		AN						
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO			
/DS/	AO	11-32029	02/02/99	JP (equivalent of US 6 215 573)				
	AP							
	AQ							
	AR							
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>								
/DS/	AS	OSHIBA, Saeko et al., "Experimental study on bit rate enhancement using time-spread/wavelength-hop optical code division multiplexing", Annual General Conference of the Institute of Electronics, Information and Communication Engineers of Japan, B-10-80, 2002, (with English translation)						
/DS/	AT	PFEIFFER, T. et al., "High speed optical network for asynchronous multiuser access applying periodic spectral coding of broadband sources", Vol. 33, No. 25, Pages 2141-2142, 1997.						
/DS/	AU	IMAI, Takeshi et al., "The Inter-operability of WDM-PON System ONU Using a Reflective SOA", Society Conference of the Communications Society of the Institute of Electronics, Information and Communication Engineers of Japan, B-10-50, Page 369 2002, (with English translation)						
/DS/	AV	NARIKAWA, Satoshi et al., "Transmission characteristics of wavelength channel data rewriter using semiconductor optical amplifier", Society Conference of Communication Society of the Institute of Electronics, Information and Communication Engineers of Japan, B-10-51, Page 370, 2003, (with English translation)						
/DS/	AW	ELBERS, J.P. et al., "Performance Evaluation of A CDMA System Using Broadband Sources", 24 <sup>th</sup> European Conference on Optical Communication (ECOC'98), pages 341-342, 1998.						
/DS/	AX	HUANG, Jen-Fa et al., "Fiber-Grating-Based Optical CDMA Spectral Coding with Nearly Orthogonal M-Sequence Codes", IEEE Photonics Technology Letters, Vol. 12, No. 9, Pages 1252-1254, 2000.						
/DS/	AY	HUANG, Jen-Fa, "Reductions of Multiple-Access Interference in Fiber-Grating-Based Optical CDMA Network, IEEE Transactions on Communications, Vol. 50, No. 10, Pages 1680-1687, 2002						
/DS/	AZ	YOSHINO, Manabu, et al., "Enhancing Tolerance to Reflection Noise with Optical Encoder", Communications Society Congress, Institute of Electronics, Information and communication engineers, B-10-54, 2003. (with English Translation)					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered			
/Dalzid Singh/ (12/07/2008)								

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



U.S. PCT Application Serial No. 10/562,431

Filed: December 28, 2005

Manabu YOSHINO, et al.

Docket No. 283713 US

#### STATEMENT OF RELEVANCY

- 1) References have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References AW - AY have been cited in Written Opinion.
- 3) References AO & AS - AV are discussed in the specification. A copy of these references is being submitted herewith.
- 4) Reference AZ is additional prior art known to Applicant. A copy of this reference is being submitted herewith.